



SEQUENCE LISTING

<110> GUY, GOROCHOV et al.

<120> METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF CHEMOKINE VARIANTS

<130> 2121-0180P

<140> US 10/791,814

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<150> US 09/945,665

<151> 2001-09-05

<150> PCT/EP 02/11045

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<160> 40

<170> PatentIn version 3.1

<210> 1

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 1

Leu Ser Pro Val Ser Ser Gln Ser Ser Ala

1

5

10

<210> 2

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

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Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala

1

5

10

<210> 3

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 3

Leu Ser Pro Met Ser Ser Gln Ser Pro Ala
1 5 10

<210> 4

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 4

Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
1 5 10

<210> 5

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 5

Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
1 5 10

<210> 6

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 6

Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
1 5 10

<210> 7

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 7

Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
1 5 10

<210> 8
<211> 10
<212> PRT
<213> Unknown

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<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 8

Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
1 5 10

<210> 9
<211> 10
<212> PRT
<213> Unknown

<220>
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<400> 9

Arg Ser Pro Met Ser Ser Gln Ser Ser Pro
1 5 10

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<212> PRT
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<220>
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<400> 10

Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
1 5 10

<210> 11
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 11

Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)
<400> 12

Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
1 5 10

<210> 13
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)
<400> 13

Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
1 5 10

<210> 14
<211> 10
<212> PRT
<213> Unknown

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Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
1 5 10

<210> 15
<211> 10
<212> PRT
<213> Unknown

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<400> 15

Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala

1 5 10

<210> 16
<211> 10
<212> PRT
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<220>
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<400> 16

Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
1 5 10

<210> 17
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 17

Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
1 5 10

<210> 18
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 18

Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
1 5 10

<210> 19
<211> 9
<212> PRT
<213> Artificial sequence

<220>
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<400> 19

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala

<210> 20
<211> 39
<212> DNA
<213> Artificial sequence

<220>
<223> PCR downstream primer

<400> 20
tggggcccct ctagacatct ccaaagagtt gatgtactc

39

<210> 21
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<212> DNA
<213> Artificial sequence

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<223> PCR upstream primer

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<223> n is a, c, g, or t

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<222> (34)..(35)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctcgcggccc agccggccat ggccnnktcc ncannktcct cgnnkncnc ancctgctgc 60
tttgctaca ttgcgcggcc gctgccccgt gccacatc 99

<210> 22
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 22
Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala
1 5 10

<210> 23
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 23
Ala Ser Pro Leu Ser Ser Gln Ser Ser Ser
1 5 10

<210> 24
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = L or an aromatic residue

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa = S,P,T or A

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> Xaa = L, M or V

<220>
 <221> misc_feature
 <222> (8)..(10)
 <223> Xaa = S,P,T or A

<400> 24

Xaa	Ser	Xaa	Xaa	Ser	Ser	Gln	Xaa	Xaa	Xaa
1				5					10

<210> 25
 <211> 10
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<220>
 <223> Consensus biopanning on CCR5 cells

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> Xaa = L, M or V

<400> 25

Leu	Ser	Pro	Xaa	Ser	Ser	Gln	Ser	Ser	Ala
1				5					10

<210> 26
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Consensus biopanning on 1D2 antibody

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> Xaa = A, P or S

<400> 26

Arg	Ser	Pro	Pro	Ser	Ser	Arg	Xaa	Ala	Ser
1				5					10

<210> 27
<211> 9
<212> PRT
<213> Homo sapiens

<400> 27

Ser Pro Tyr Ser Ser Asp Thr Thr Pro
1 5

<210> 28
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> RANTES library sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa = any amino acid, unknown or other

<220>
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<222> (3)..(3)
<223> Xaa = A, P, S or T

<220>
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<223> Xaa = any amino acid, unknown or other

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<223> Xaa = any amino acid, unknown or other

<220>
<221> misc_feature
<222> (8)..(10)
<223> Xaa = A, P, S or T

<400> 28

Xaa Ser Xaa Xaa Ser Ser Xaa Xaa Xaa Xaa
1 5 10

<210> 29
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Consensus biopanning sequence

<220>

<221> misc_feature

<222> (4)..(4)

<223> Xaa = A, P, S or T

<400> 29

Leu	Ser	Pro	Xaa	Ser	Ser	Gln	Ser	Ser	Ala
1				5					10

<210> 30

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 30

Val	Ser	Thr	Leu	Ser	Ser	Pro	Ala	Ser	Thr
1				5					10

<210> 31

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 31

Ala	Ser	Ser	Phe	Ser	Ser	Arg	Ala	Pro	Pro
1				5					10

<210> 32

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 32

Gln	Ser	Ser	Ala	Ser	Ser	Ser	Ser	Ser	Ala
1				5					10

<210> 33
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence (mammalian)

<400> 33

Gln Ser Pro Gly Ser Ser Trp Ser Ala Ala
1 5 10

<210> 34
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence (mammalian)

<400> 34

Gln Ser Pro Pro Ser Ser Trp Ser Ser Ser
1 5 10

<210> 35
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence (mammalian)

<400> 35

Gln Ser Pro Leu Ser Ser Phe Thr Ser Ser
1 5 10

<210> 36
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence (mammalian)

<400> 36

Ala Ser Pro Gln Ser Ser Leu Pro Ala Ala
1 5 10

<210> 37

<211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Consensus sequence 1

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> Xaa is an aromatic residue

<400> 37

Gln Ser Pro Gln Ser Ser Xaa Ser Ser Ala
 1 5 10

<210> 38
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Consensus sequence 2

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> Xaa can be any naturally occurring amino acid

<400> 38

Leu Ser Pro Gln Ser Ser Leu Ser Ser Xaa
 1 5 10

<210> 39
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic peptide

<220>
 <221> misc_feature
 <222> (1)..(1)
 <223> Xaa = L or an aromatic residue

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> Xaa = L, M or V

<220>
 <221> misc_feature
 <222> (8)..(10)
 <223> Xaa = S,P,T or A

<400> 39

Xaa Ser Pro Xaa Ser Ser Gln Xaa Xaa Xaa
 1 5 10

<210> 40
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 40

Ser Pro Tyr Ser Ser Asp Thr Thr Pro Cys Cys Phe Ala Tyr Ile Ala
 1 5 10 15

Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly
 20 25 30

Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Arg Lys Asn Arg Gln
 35 40 45

Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser
 50 55 60

Leu Glu Met Ser
 65